

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A radiopaque marker for an intraluminal medical device, comprising:

- a) a polymer;
- b) radiopaque particles of a radiographically dense metal disposed within said polymer having an average diameter of at least 2 microns and a maximum diameter of about 20 microns; and
- c) a wetting agent for facilitating encapsulation of said particles by said polymer, such that the polymer is doped with the radiopaque particles to thereby form a highly radiopaque yet relatively flexible radiopaque marker configured for securing to the intraluminal medical device, and wherein the radiopaque particles comprise approximately 36 volume percent and approximately 91.3 weight percent of the marker, ~~and a minority of the volume of the marker is metal solids and a majority of the volume of the marker is nonmetal, such that the marker radiopacity is substantially similar to that of a 0.0125 inch thick Platinum/10% Iridium marker and the polymer forms a continuous binder encapsulating each radiopaque particle.~~

2. (cancelled).

3. (cancelled).

4. (previously presented) The radiopaque marker of claim 1, wherein said polymer comprises polyether block amide copolymer and said radiopaque particles comprise tungsten powder.

5. (previously presented) The radiopaque marker of claim 4, wherein said wetting agent comprises maleic anhydride graft polyolefin.

6. (original) The radiopaque marker of claim 1, wherein said radiopaque particles are substantially equiaxed.

7. (original) The radiopaque marker of claim 6, wherein said particles are produced by a pusher process.

8. (original) The radiopaque marker of claim 6, wherein said particles are produced by an atomization process, resulting in a substantially spherical particle.

9. (original) The radiopaque marker of claim 1, further comprising an antioxidant.

10. (original) The radiopaque marker of claim 1, wherein said polymer is thermoplastic.

11. (original) The radiopaque marker of claim 1 formed so as to define a tubular structure.

12.-45. (cancelled).